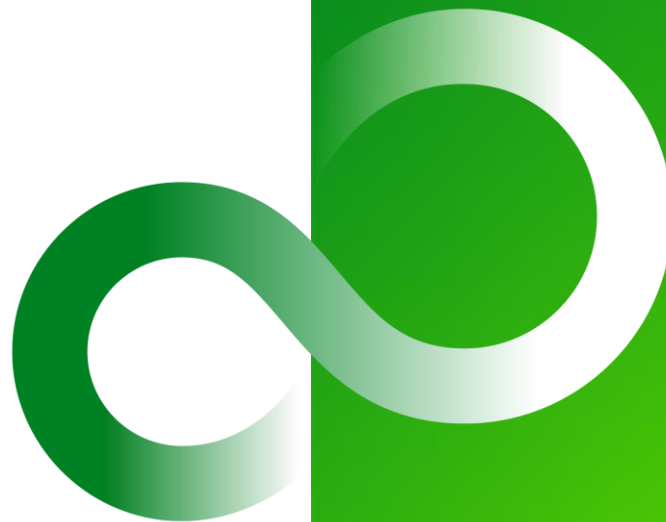
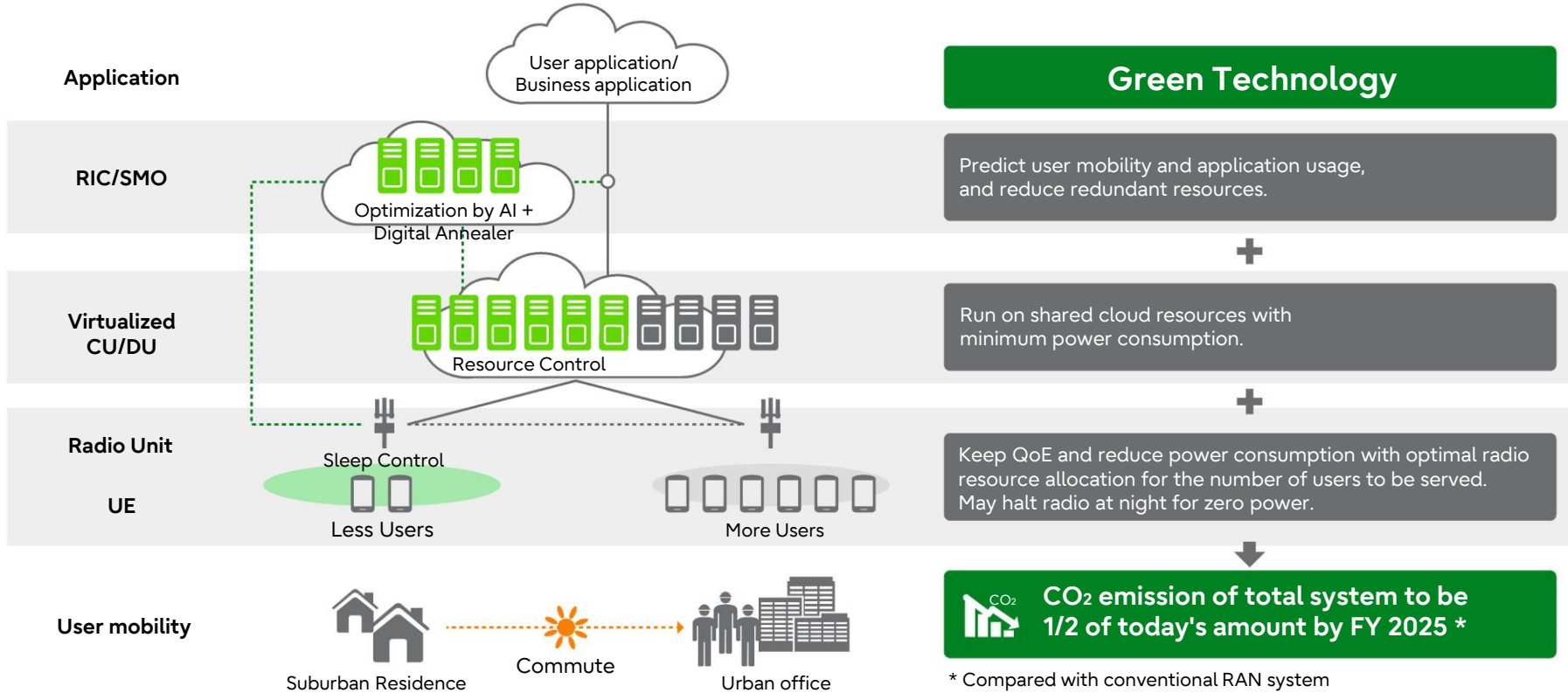


Fujitsu Radio Units

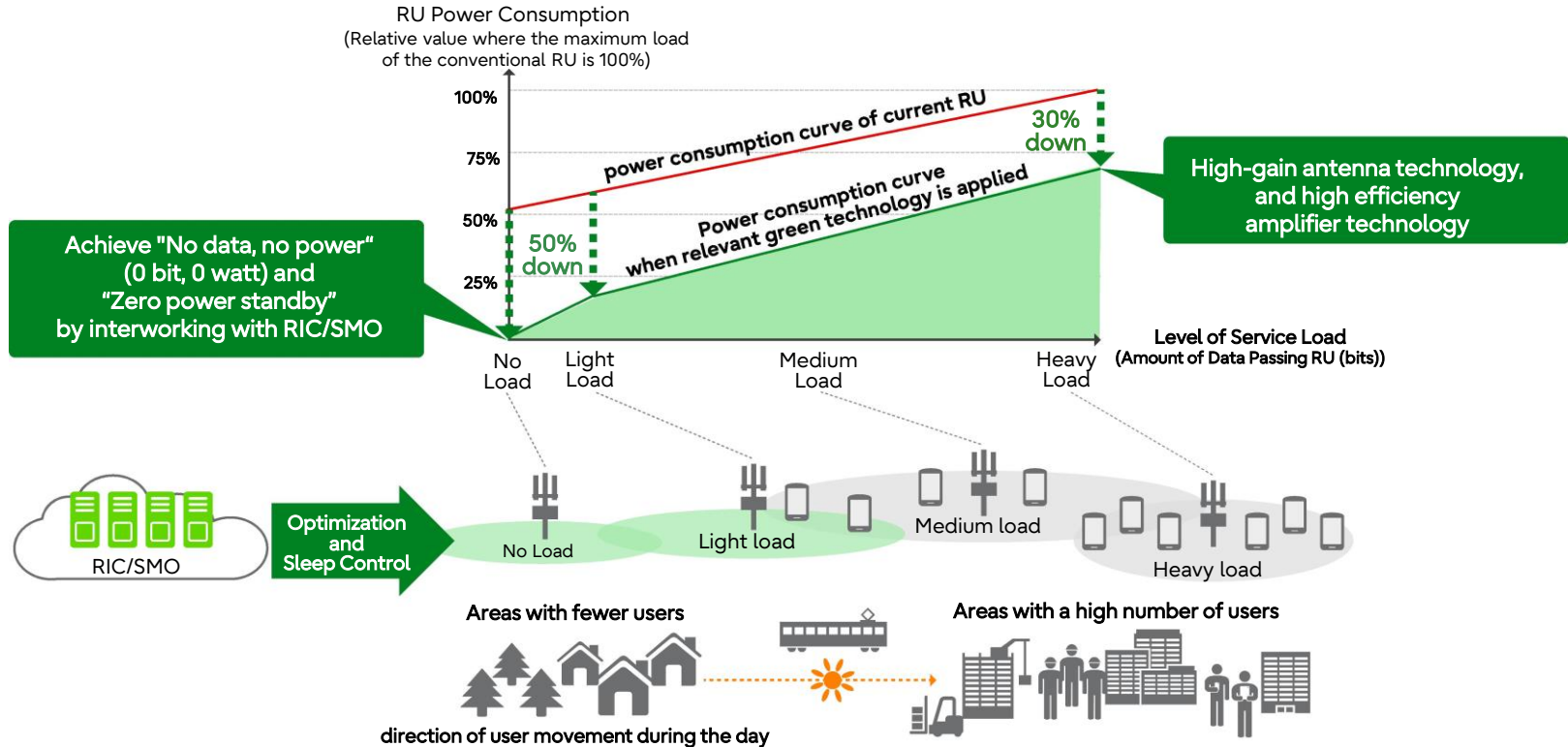
Fujitsu Limited



Green technologies



RU Power Consumption Reduction technologies with RIC/SMO



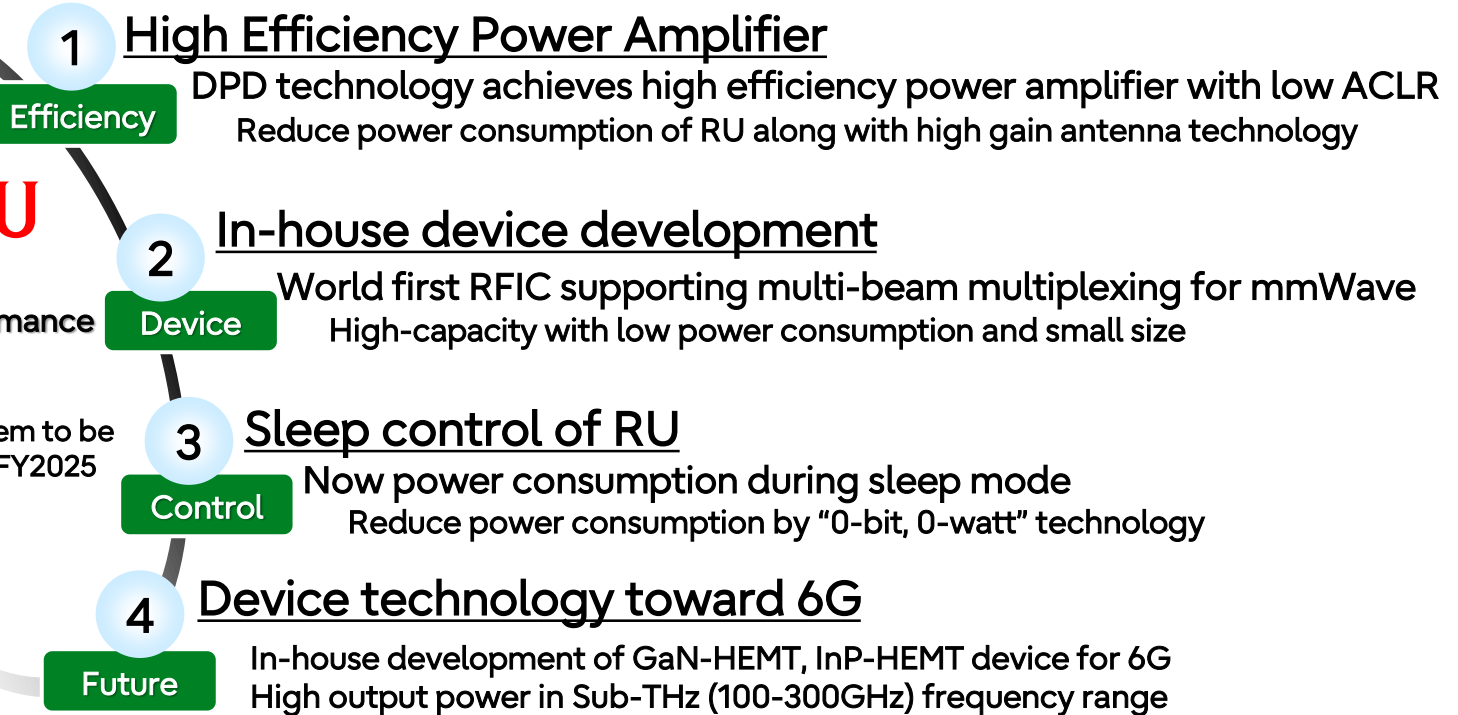
Key differentiators

High efficiency power amplifier and in-house device technology that achieves power saving



Power saving  Performance

CO2 emission of total system to be
1/2 of today's amount by FY2025



Measures for RU lower power consumption

● Effect by improving efficiency of RU unit

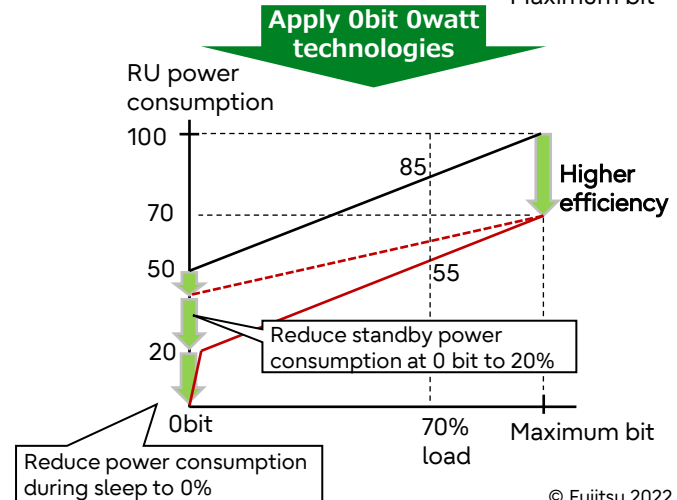
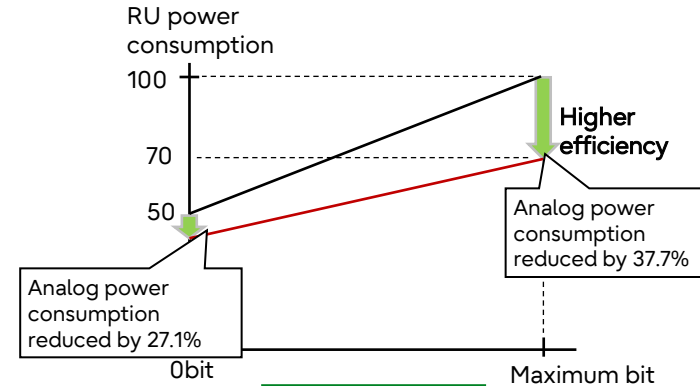
	Antenna gain improvement	PA efficiency improvement	Energy saving effect on RU
Antenna improvement	1.8dB	—	-27.1%
PA improvement	—	10%	-16.0%
Both improvement	1.8dB	10%	-37.7%

Assumption:

- PA consumes 80% of total energy of RU
- PA efficiency of 40% before improvement

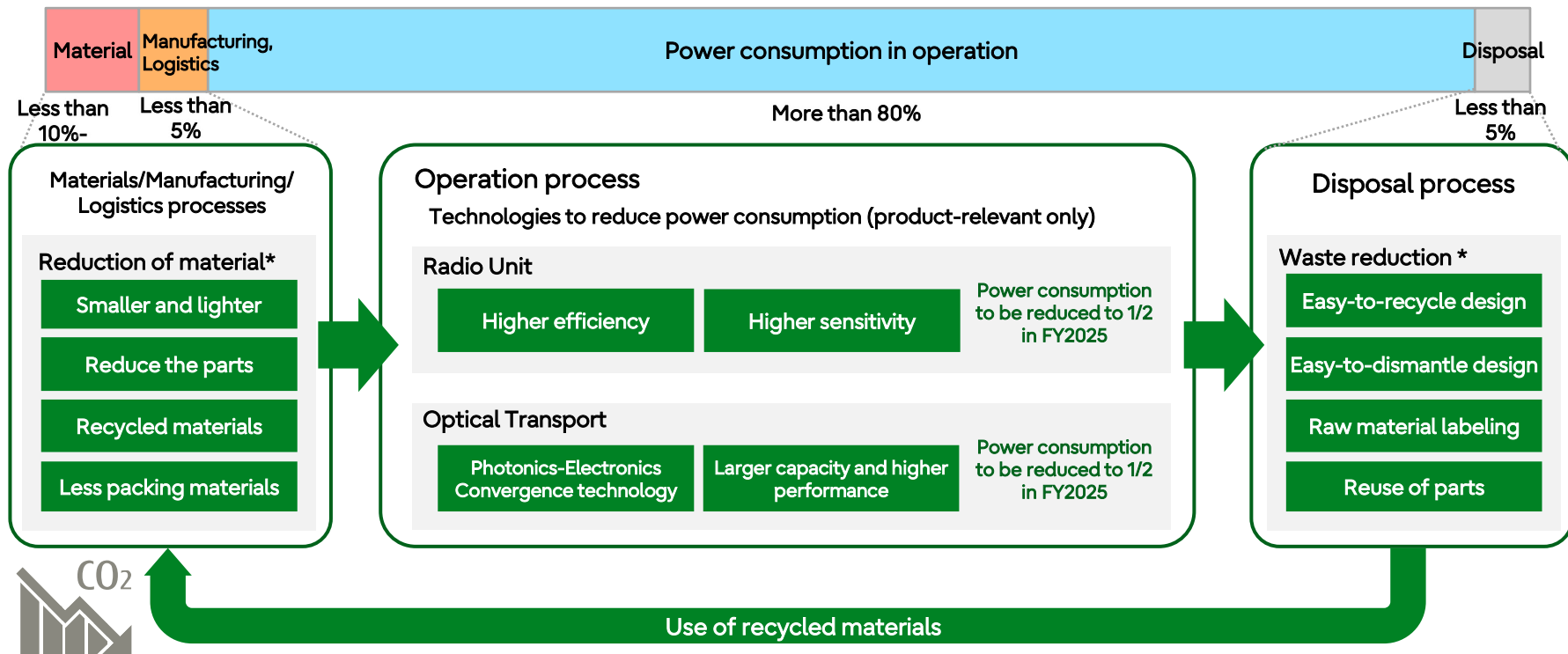
● Measures for “0 bit, 0 watt”

- Aim to reduce standby power consumption at 0 bit to 20% of the maximum operation.
- Aim to achieve NO power consumption during sleep mode.



Reduce environmental impact throughout the product life cycle

Percentage of CO2 emissions through the product life cycle *



*Fujitsu Product LCA Initiatives
<https://www.fujitsu.com/jp/about/environment/lca/index.html>

Thank you

